

Abstract

Title:

Effect of physiotherapy in respiratory diseases during healing stays

Objective:

The main objective of this work is to analyze the importance of physiotherapy as one of the treatments used in the care of pediatric patients with bronchial asthma.

Method:

In the theoretic part of the dissertation anatomy and physiology of the respiratory tract, respiratory biomechanics, problems of asthma bronchiale, possibilities of asthma treatment, prevention and improvement of quality of life in children with respiratory difficulties under physiotherapy are discussed.

The practical part is made as a pilot experimental study of influence of various physiotherapy unit length on patients respiratory parameters. For monitoring of changes in respiratory displays standardized spirometry measurement was provided supplemented by electronic stethoscope examination.

Results:

The positive effect of respiratory and movement physiotherapy in children with asthma bronchiale was demonstrated. Further the optimal length of one therapeutic unit in the interval between 10 and 30 minutes was defined.

Key words:

Asthma bronchiale, spirometry, respiratory physiotherapy, school age